

**HAPPY HOUR EDUCATIONAL SERVICES**  
**P.7 TERM I SET II EXAMINATION, 2024**  
**MATHEMATICS**

*Time allowed: 2 hours 30 minutes*

Index Number:

--	--	--	--	--	--	--	--	--

Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

District Name: .....

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

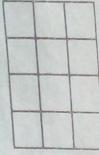
Read the following instructions carefully:

1. This paper has two sections, A and B.
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball-point or fountain pen. Diagrams should be drawn in pencil.
4. No calculators are allowed in the examination room.
5. Unnecessary changes of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the boxes indicated: "For Examiners' Use only" and those inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No	Marks	Exrs. No
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
Total		

**SECTION: A (40 MARKS)**

1. Work out	36 ÷ 9	6 Shade $\frac{1}{3}$ of the figure below.
2 Given that $A = \{c, o, w\}$	list all subsets of set A	Using a ruler pencil and a pair of compasses only construct an angle of $75^\circ$
3 Write 482099 in words	4	Draw tallies to represent 18



- Given that  $A = \{c, o, w\}$  list all subsets of set A
- Given that  $A = \{c, o, w\}$  list all subsets of set A
- Given that  $A = \{c, o, w\}$  list all subsets of set A

Draw tallies to represent 18

Write 482099 in words

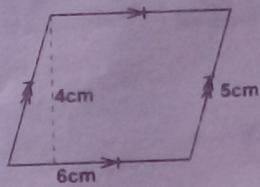
- Given that represents 4 cups  
Draw pictures to represent 20 cups
- Given that represents 4 cups  
Draw pictures to represent 20 cups

- Convert 4800m to km
- Convert 4800m to km
- Angellah is 4 times as old as Noble.  
Calculate Angellah's age if Noble is 14 years.
- Faith is the ninth girl from either side of the line. Find the total number of girls in the line.

11. Agaba bought a bull at Shs. 490,000 and sold it after a loss of Shs. 45,000. Find his selling price.

15. Andrew had a bundle of bank notes arranged from AB 4293001 to AB 4293100. Find his total number of notes.

12. Find the area of the figure below



13. Simplify  $\sqrt{4} + \sqrt{2}$

14. Solve for y.  $3y + 4 = 13$

16. Work out  $4 + 5 = \underline{\hspace{2cm}}$  (finite 7)

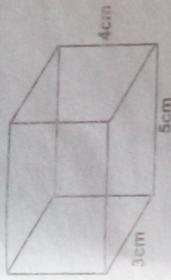
17. Convert  $1101_{\text{two}}$  to base ten.

18. Express 482 in Roman numerals

19. Add: Hrs                          Minutes  
$$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$$
                          
$$\begin{array}{r} 35 \\ 40 \\ \hline \end{array}$$

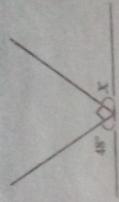
24. Calculate the total surface area of (b) the figure below. (3mks)

(4mks)



25. Find the size of angle marked by letters

a) (2mks)



26. a) Using a ruler, pencil and a pair of compasses only. Construct a regular Hexagon in a circle of radius 3.5cm (3mks)

b) Work out its perimeter. (2mks)

27. Given the digits 4, 0, 3

- a) Write all possible 3 digit numbers that can be formed (3mks)

b) Find the value of  $m$  in degrees. (2mks)

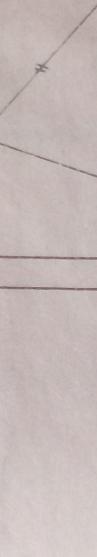
b) If he spends Shs 90 000 on rent how much does he earn per month? (2mks)

- b) Work out the sum of the largest and smallest 3 digit numbers formed (2mks)

c) Express the angle sector for rent as a percentage (2mks)

28. The pie-chart below shows how Tr. Norbert spends his monthly salary



29. John went for shopping and bought the following items.	<ul style="list-style-type: none"> <li>- 2kg of sugar at Shs 3000 per kg</li> <li>- 500g of salt at Shs. 1200 a kg</li> <li>- 3kg of rice at Shs 4000 @ kg</li> <li>- 3kg of G. nuts at Shs 21000</li> </ul> <p>a) Find his total expenditure (4mks)</p>	
30	<p>Show and write the lines of folding symmetry of the figures below.</p> <p>(2mks)</p> <div style="border: 1px solid black; width: 100px; height: 100px; margin-bottom: 10px;"></div>	
b)	 <p>(2mks)</p>	
29	<p>b) Calculate his change if he went with a fifty shillings note.</p> <p>(2mks)</p>	

10 Two bells at King of Kings Nursery and Primary school are rang at intervals of 30 minutes and 40 minutes respectively.	<p>if the two bells were rang at 8 00am at what time will they be rang together again</p> <p>(4mks)</p>	32 Noble is two years older than Faith in five years' time the total age will be 30 years.	<p>a) How old is Faith now? (3mks)</p> <p>b) Find Noble's age after 5 years (2mks)</p>
---	---	--	--

END